

FlexCeiver™ 10T User Instructions

Description:

The FlexCeiver family of transceivers are compatible with IEEE 802.3 and Ethernet Versions 1.0 / 2.0. They enhance networking media connectivity using 10Base-FL with single-mode (SM) and multimode (MM) fiber, 10Base-2 thin coax and 10Base-T twisted pair (UTP).

All FlexCeivers have a 15-pin AUI connector that attaches to a mating AUI connector mounted on hosting Ethernet DTE equipment such as a workstation or a PC, or on a repeater such as a hub or a switch.

This FlexCeiver 10T model is described here:

Model Maximum Distance

4210 100 meters / 328 ft.

The 4210 model provides a switch selectable full-duplex operation that allows data to flow between two Ethernet switches or a PC and a switch in both directions simultaneously, doubling the 10 Mbps half-duplex Ethernet to 20 Mbps.

Wire polarity errors are automatically corrected by the FlexCeiver and the correction is indicated by an LED.

Mounting:

Insert the Omnitron FlexCeiver 10FL into the 15-pin AUI port on a PC, workstation, hub or switch; slide the connector latch locking it into place. If an AUI cable is used, it is limited to 50 meters (164 ft.). Attach a RJ45 equipped UTP category 3 or higher (4 or 5) cable to the 10T's RJ45 connector. Note that the total length of the cable should not exceed 100 meters (328 ft.). The far end of the cable must connect to repeater equipment such as a hub or a switch. Connecting to another DTE type (PC) is possible via a crossover cable.

Switch Settings:

"SQE" switch: When attaching to a PC (or a workstation), the SQE switch should be set to "SQE Enable" (factory setting). When connecting to a hub or a switch, it should be set to "SQE Disable."

"Duplex" switch: When attaching to a hub or a PC connected to a hub, the Duplex switch should be set to "Half Duplex" (factory setting). When attaching to an Ethernet switch or a PC (or workstation) attached to an Ethernet switch, the FlexCeiver can be set to "Full Duplex." To take advantage of the 20 Mbps full duplex performance, the PC Network Interface Card (NIC) must also be set to "Full Duplex."

LED indicators:

<u>LED</u>	Color	<u>Description</u>			
Transmit	Green	Transmitted data activity			
Receive	Green	Received data activity			
Link Active	Green	Operational device at the far			

end

Jabber Err Red Attached host unit violated

transmission time, could indicate a faulty Network Interface Card (when attached to a PC).

Polarity Invert Yellow Correction activated for reversed UTP wires

SQE Enable Yellow "SQE Enable" indicator
Full Duplex Yellow "Full Duplex" indicator
Collision Yellow Collision (normal operation)

Technical Support:

If you encounter problems in installing or maintaining this product, contact Omnitron Technical Support:

Phone: (949) 250-6510 Fax: (949) 250-6514

Email: support@omnitron-systems.com
Address: Omnitron Systems Technology, Inc.

27 Mauchly #201 Irvine, CA 92618 USA

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Registration

Warranty

User

Please complete both sides and mail or fax this registration form to

Omnitron Systems Technology, Inc.

27 Mauchly #201

Irvine, CA 92618 USA
Fax: (949) 250-6514

Name:

Company:

this form

ţ.

Please complete both sides

Fax:

Code:

Zip

State:

Country: Phone:

E-mail:

User w	arranty	User warranty Registration	tion
Please complete both sides and mail or fax this form to the address indicather side.	l mail or fa	ax this form t	to the address indica
FlexCeiverType: ☐10FL ☐10T ☐10B2 ☐Other	1 0T	1 0B2	Other
Model:			
Serial Number:	P	Purchase Date:	ate:
Purchased From:			
Address:			
City:	_ State:		Zip Code:
Country:			
Comments and Suggestions:			

Warning

The operating description in this Instruction Manual is for use by qualified personnel only. To avoid electrical shock, do not perform any servicing of this unit other than that contained in the operating instructions, unless you are qualified and certified to do so by Omnitron Systems Technology, Inc.

Caution

All user-required operations can be performed without opening the unit. Never attempt to open or remove the cover or tamper with the unit.

Warranty

This product is warranted to the original purchaser against defects in material and workmanship for a period of TWO YEARS from the date of shipment. A LIFETIME warranty may be obtained by the original purchaser by REGISTERING this product with Omnitron within 90 days from the date of shipment. TO REGISTER, COMPLETE AND MAIL OR FAX THE REGISTRATION PORTION OF THIS INSTRUCTION MANUAL TO THE INDICATED ADDRESS. During the warranty period, Omnitron will, at its option, repair or replace a product which is proven to be defective.

For warranty service, the product must be sent to an Omnitron designated facility, at Buyer's expense. Omnitron will pay the shipping charge to return the product to Buyer's designated US address using Omnitron's standard shipping method.

Limitation of Warranty

The foregoing warranty shall not apply to defects resulting from improper or inadequate use and/or maintenance of the equipment by Buyer, Buyer-supplied equipment, Buyer-supplied interfacing, unauthorized modifications or tampering with equipment (including removal of equipment cover by personnel not specifically authorized and certified by Omnitron), or misuse, or operating outside the environmental specification of the product (including but not limited to voltage, ambient temperature, radiation, unusual dust, etc.), or improper site preparation or maintenance.

No other warranty is expressed or implied. Omnitron specifically disclaims the implied warranties of merchantability and fitness for any particular purpose.

Exclusive Remedies

The remedies provided herein are the Buyer's sole and exclusive remedies. Omnitron shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any legal theory.

Notes:							

Address: